

Regional HIV/AIDS Epidemiologic Profile of Massachusetts Total: FY 2008

Table 1. Total number of people reported with HIV infection or AIDS¹ by mortality status on December 31, 2007, Massachusetts

	N	%
People Living with HIV/AIDS	16,973	59%
People Reported with HIV or AIDS who are Deceased	11,999	41%
Total Number of People Reported with HIV Infection or AIDS	28,972	100%

¹ Does not include individuals diagnosed with HIV infection (non-AIDS) who died prior to January 1, 1999 or who were not in care on January 1, 1999.

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 2. Average annual rate of HIV infection diagnosis from 2004 to 2006 and rate of people living with HIV/AIDS on 12/31/07¹: Massachusetts

Average annual HIV diagnosis rate from 2004–2006	Average Rate per 100,000	Average Number of HIV Diagnoses
Massachusetts Total	13 per 100,000	857
Rate of people living with HIV/AIDS on 12/31/07	Rate per 100,000	Number of People Living with HIV/AIDS
Massachusetts Total	267 per 100,000	16,977

¹ Population sizes for rate calculations are based on year 2000 population estimates from the MDPH Center for Health Information, Statistics, Research and Evaluation

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 3. People living with HIV/AIDS¹, deaths among people reported with HIV/AIDS, and newly diagnosed HIV infections by year²: 1999–2006, Massachusetts

Year	HIV/AIDS Prevalence	Deaths among those with HIV/AIDS	Diagnosis of HIV Infection
1999	12,332	398	1,328
2000	13,146	376	1,190
2001	13,746	424	1,024
2002	14,449	382	1,085
2003	15,027	399	977
2004	15,667	331	971
2005	16,256	301	890
2006	16,670	296	710

¹ Number of People living with HIV/AIDS on 12/31 of each year

² Reflects year of diagnosis for HIV infection among all individuals reported with HIV infection, with or without an AIDS diagnosis
Data source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 4. People diagnosed with HIV infection from 2004–2006¹ and people living with HIV/AIDS on December 31, 2007 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Massachusetts

HIV Infection Diagnoses			PLWH/A	
Gender:	N	%	N	%
Male	1,860	72%	12,100	71%
Female	711	28%	4,877	29%
Place of Birth:	N	%	N	%
US	1,610	63%	11,640	69%
Puerto Rico/US Dependency ²	242	9%	2,036	12%
Non-US	719	28%	3,301	19%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	1,023	40%	7,644	45%
Black (non-Hispanic)	816	32%	4,745	28%
Hispanic	667	26%	4,254	25%
Other/Undetermined ³	65	3%	334	2%
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	940	37%	5,773	34%
Injection Drug Use (IDU)	353	14%	4,278	25%
MSM/IDU	49	2%	539	3%
Heterosexual Sex	278	11%	2,281	13%
Other	18	1%	408	2%
Total Undetermined	933	36%	3,698	22%
• Presumed Heterosexual Sex ⁴	599	23%	2,643	16%
• Undetermined ⁵	334	13%	1,055	6%
Age:	N	%	N	%
	At Diagnosis		On December 31, 2007	
Under 13	16	1%	71	<1%
13 to 19	43	2%	189	1%
20 to 24	169	7%	205	1%
25 to 29	275	11%	569	3%
30 to 34	365	14%	1,076	6%
35 to 39	475	18%	2,187	13%
40 to 44	491	19%	3,658	22%
45 to 49	363	14%	3,756	22%
50 to 54	183	7%	2,707	16%
55 to 59	88	3%	1,249	7%
60+	103	4%	1,310	8%
Total	2,571	100%	16,977	100%

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS

² Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

³ Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

⁴ Heterosexual sex with partners with unknown risk and HIV status

⁵ Includes those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up
Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 5. People living with HIV/AIDS on December 31, 2007 by gender and race/ethnicity: Massachusetts

Race/Ethnicity:	Male		Female	
	N	%	N	%
White Non-Hispanic	6,247	52%	1,397	29%
Black Non-Hispanic	2,757	23%	1,988	41%
Hispanic	2,863	24%	1,391	29%
Other/Undetermined ¹	233	2%	101	2%
Total	12,100	100%	4,877	100%

¹ Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 6. People living with HIV/AIDS on December 31, 2007 by gender and exposure mode: Massachusetts

Exposure Mode:	Male		Female	
	N	%	N	%
Male-to-male sex (MSM)	5,773	48%	N/A	N/A
Injection drug use (IDU)	2,906	24%	1,372	28%
MSM/IDU	539	4%	N/A	N/A
Heterosexual sex	687	6%	1,594	33%
Other	236	2%	172	4%
Total Undetermined	1,959	16%	1,739	36%
• Presumed heterosexual sex ¹	1,253	10%	1,390	29%
• Undetermined ²	706	6%	349	7%
Total	12,100	100%	4,877	100%

¹ Heterosexual sex with partners with unknown risk and HIV status

² Includes those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up; N/A=Not Applicable

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 7. People diagnosed with HIV infection by gender and year of diagnosis: Massachusetts, before 1999, 1999–2006¹

	Male		Female		Total
	N	%	N	%	
< 1999	15,799	77%	4,670	23%	20,469
1999	922	69%	406	31%	1,328
2000	829	70%	361	30%	1,190
2001	724	71%	300	29%	1,024
2002	738	68%	347	32%	1,085
2003	668	68%	309	32%	977
2004	681	70%	290	30%	971
2005	656	74%	234	26%	890
2006 ²	523	74%	187	26%	710

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² 2006 data are preliminary

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 8. People diagnosed with HIV infection by race/ethnicity and year of diagnosis: Massachusetts, before 1999, 1999–2006¹

	White NH		Black NH		Hispanic		Other/ Undetermined ²		Total
	N	%	N	%	N	%	N	%	
< 1999	11,313	55%	4,793	23%	4,193	20%	170	1%	20,469
1999	566	43%	393	30%	337	25%	32	2%	1,328
2000	462	39%	407	34%	286	24%	35	3%	1,190
2001	422	41%	329	32%	244	24%	29	3%	1,024
2002	425	39%	365	34%	256	24%	39	4%	1,085
2003	389	40%	318	33%	245	25%	25	3%	977
2004	373	38%	316	33%	254	26%	28	3%	971
2005	342	38%	297	33%	229	26%	22	2%	890
2006 ³	308	43%	203	29%	184	26%	15	2%	710

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

³ 2006 data are preliminary

NH = Non-Hispanic

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 9. People diagnosed with HIV infection by place of birth and year of diagnosis: Massachusetts, before 1999, 1999–2006¹

	US		Puerto Rico/ US Dependency ²		Non-US		Total
	N	%	N	%	N	%	
< 1999	15,831	77%	2,551	12%	2,087	10%	20,469
1999	909	68%	171	13%	248	19%	1,328
2000	753	63%	133	11%	304	26%	1,190
2001	642	63%	114	11%	268	26%	1,024
2002	648	60%	103	9%	334	31%	1,085
2003	616	63%	93	10%	268	27%	977
2004	609	63%	101	10%	261	27%	971
2005	546	61%	83	9%	261	29%	890
2006 ³	455	64%	58	8%	197	28%	710

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

³ 2006 data are preliminary

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 10. People diagnosed with HIV infection by exposure mode and year of diagnosis: Massachusetts, before 1999, 1999–2006¹

	MSM		IDU		MSM/ IDU		HTSX		Other		Pres. HTSX ²		Undeter- mined ³		Total
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N
<1999	7,616	37%	7,191	35%	866	4%	2,053	10%	752	4%	1,334	7%	657	3%	20,469
1999	373	28%	394	30%	38	3%	197	15%	19	1%	244	18%	63	5%	1,328
2000	359	30%	251	21%	24	2%	197	17%	17	1%	265	22%	77	6%	1,190
2001	318	31%	208	20%	28	3%	158	15%	9	1%	217	21%	86	8%	1,024
2002	334	31%	192	18%	27	2%	175	16%	12	1%	250	23%	95	9%	1,085
2003	327	33%	150	15%	25	3%	116	12%	16	2%	220	23%	123	13%	977
2004	312	32%	151	16%	18	2%	114	12%	12	1%	230	24%	134	14%	971
2005	332	37%	128	14%	22	2%	92	10%	3	<1%	198	22%	115	13%	890
2006 ⁴	296	42%	74	10%	9	1%	72	10%	3	<1%	171	24%	85	12%	710

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Heterosexual sex with partners with unknown risk and HIV status

³ Includes those still being followed up for risk information, those who have died with no determined risk and those lost to follow-up

⁴ 2006 data are preliminary

MSM = Male-to-Male Sex; IDU = Injection Drug Use; MSM/IDU = Male-to-Male Sex and Injection Drug Use; HTSX = Heterosexual Sex; Pres. HTSX = Presumed Heterosexual Sex

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 11. People diagnosed with HIV infection and AIDS within two months and all people diagnosed with HIV infection by year of diagnosis: Massachusetts, 1999–2006¹

	HIV and AIDS diagnosed within 2 months	All HIV infection diagnoses	% diagnosed with HIV and AIDS within 2 months
Year:	N	N	%
1999	365	1,328	27%
2000	317	1,190	27%
2001	295	1,024	29%
2002	292	1,085	27%
2003	258	977	26%
2004	272	971	28%
2005	246	890	28%
2006	231	710	33%

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS
Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 12. People diagnosed with HIV infection and AIDS within two months and all people diagnosed with HIV infection by gender, race/ethnicity, and place of birth: Massachusetts, 2004–2006¹

	HIV and AIDS diagnosed within 2 months	All HIV infection diagnoses	% diagnosed with HIV and AIDS within 2 months
Gender:	N	N	%
Male	570	1,860	31%
Female	179	711	25%
Race/Ethnicity:	N	N	%
White (non-Hispanic)	282	1,023	28%
Black (non-Hispanic)	268	816	33%
Hispanic	181	667	27%
Other/Undetermined ²	18	65	28%
Place of Birth:	N	N	%
US	413	1,610	26%
Puerto Rico/US Dependencies ³	60	242	25%
Non-US	276	719	38%
Total	749	2,571	29%

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS

² Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

³ Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08